

FEATURES

- The SRQ800-T is a true two-port, Surface-acoustic-wave(SAW) resonator in a low-profile, TO-39 case. It provides reliable, fundamental-mode, quartz frequency stabilization of fixed-frequency transmitters operating at 800.00MHz.

APPLICATIONS

- Communication

SPECIFICATION \*

Parameters		Product	Option Code
		SRQ	SRQ
Centre Frequency(fc) :	800.000MHz	▲	800.000
Frequency Tolerance( $\Delta$ fc):	$\pm 150$ KHz	$\Delta$	C
	$\pm 200$ KHz	$\Delta$	D
	$\pm 250$ KHz	$\Delta$	E
Temp. Stability	Turnover Temp( $T_o$ ): 55°C Max.	▲	
	Turnover Frequency( $f_o$ ): fc 800.0 MHz	▲	
	Frequency Temp. Coefficient (FTC): 0.037ppm/°C <sup>2</sup>	▲	
Insertion Loss(IL):	9.0 dB Max.	▲	
Operating Temp. Range:	-10°C~+60°C	▲	
Storage Temp. Range:	-40°C~+85°C	▲	
Quality Factor	Unloaded Q( $Q_u$ ): 9,940	▲	
	50 $\Omega$ Loaded Q( $Q_L$ ): 5,500	▲	
DC Insulation Resistance between Any Two Pins: 1.0M $\Omega$ Min.		▲	
Frequency Aging Absolute Value During the First Year(fA): $\leq 10$ ppm/year		▲	
RF Equivalent RLC Model	Motional Resistance( $R_m$ ): 182 $\Omega$ Max.	▲	
	Motional Inductance( $L_m$ ): 289.562 $\mu$ H	▲	
	Motional Capacitance( $C_m$ ): 0.1908 fF	▲	
	Shunt Static Capacitance ( $C_o$ ): 1.65 pF	▲	
CW Therefore Power Dissipation: +10dBm		▲	
DC Voltage Between Any Two Pins: $\pm 30$ V DC		▲	
Case Temperature:	-40°C~+85°C	▲	
Holder Type:	TO-39	$\Delta$	T
Package:	Tube	$\Delta$	U

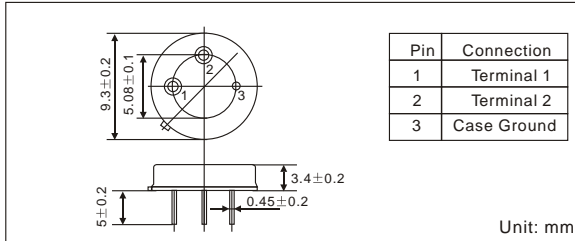
▲ Standard \* Specifications Subject to Change Without Notice  
 $\Delta$  Optional: please specify required code when inquiring or ordering

NOTE

1: Electrostatic Sensitive Device. Observe precautions for handling

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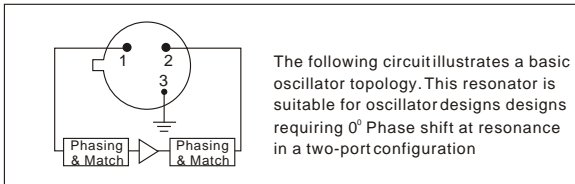
DIMENSIONS



EQUIVALENT LC MODE TEST CIRCUIT



TYPICAL APPLICATION CIRCUIT



TEMPERATURE CHARACTERISTICS

